

NORTH CAROLINA
ENVIRONMENTAL MANAGEMENT COMMISSION
DEPARTMENT OF ENVIRONMENT, HEALTH, & NATURAL RESOURCES

APPLICATION FOR PERMIT TO CONSTRUCT A MONITORING WELL SYSTEM

RECEIVED
N.C. Dept. of EHN
RECEIVED APR 13 1993
Winston-Salem
Regional Office

Date: 3/22, 1993 County Alamance

In accordance with the provisions of Article 7, Chapter 87, General Statutes of North Carolina and regulations pursuant thereto, application is hereby made for a permit to monitoring wells.

1. Name of Applicant UnaCal Corporation (Telephone: _____)
Applicant's Mailing Address: 13 Corporate Square, N.E. P.O. Box 4147, Atlanta Georgia 30302
2. Name of Property Owner (if different from applicant) Robert W. Gibson Jr.
Owner's Mailing Address: Trolling Wood Road, Mebane North Carolina 27302
3. Contact Person: Robert W. Gibson Jr. (Telephone: _____)
4. Location of Property: Trollingwood Road, Mebane North Carolina
5. Reason for Monitoring Well(s): Environmental Assessment
(ex: nondischarge permit requirements, suspected contamination, environmental assessment, etc.)
6. Type of facility or site for which the monitoring well(s) is needed: Underground Storage Tank
(ex: nondischarge facility, waste disposal site, landfill, underground storage tank, etc.)
7. Type of contamination being monitored (if applicable): Petroleum Hydrocarbons
(ex: nutrients, organics, heavy metals, etc.)
8. Are any existing recovery wells associated with the monitoring well(s)? No If yes, how many? _____
Recovery Well Construction Permit No.: _____
9. Distance to a known waste or pollution source: 75 feet
10. Are any water supply wells located less than 500 feet from the proposed monitoring wells? Yes If yes, give distance: _____ feet
11. Well Driller: S&ME, Inc.
12. Registration #: 412
13. Driller's Address: 3718 Old Battleground Road, Greensboro, North Carolina 27410

PROPOSED MONITORING WELL CONSTRUCTION INFORMATION

1. Total Number of Wells to be constructed 1 : (A) Number to be completed in bedrock? 0
(B) Number to be completed in unconsolidated material? 1
2. Estimated depth of well(s): 25 feet
3. Gravel or sand pack interval (if appropriate)
From 25 feet to 13 feet
4. Type of casing used PVC
(ex: PVC, stainless steel, galvanized steel, etc.)
5. Diameter of casing 2 inches

FOR OFFICE USE ONLY	
—	PERMITTED ACTIVITY
—	U.S.T. LEAK DETECTION
—	GROUNDWATER QUALITY STANDARDS
—	VIOLATIONS SUSPECTED FROM UNPERMITTED ACTIVITIES
—	NOTICE OF NON-COMPLIANCE AT UNPERMITTED FACILITIES
PERMIT NO. _____	ISSUED _____ 19 _____
INCIDENT # _____	

6. Thickness of casing: Sch. 40 inches
7. How will the well(s) be secured? Locking box, flush mounted
8. Estimated beginning construction date: ASAP
9. Estimated completion date: -

ADDITIONAL INFORMATION

1. ATTACH A SITE MAP SHOWING THE LOCATIONS OF THE FOLLOWING:
 - 1 - PROPOSED MONITORING WELL(S)
 - 2 - ALL EXISTING MONITORING AND RECOVERY WELLS OR TEST BORINGS WITH THE PROPERTY BOUNDARY
 - 3 - ALL WATER SUPPLY WELLS WITHIN 500 FEET OF THE WASTE SOURCES
 - 4 - AT LEAST TWO REFERENCE POINTS (NUMBERED ROADS, INTERSECTIONS, STREAMS, ETC.)
2. PROVIDE A WELL CONSTRUCTION DIAGRAM OF EACH WELL SHOWING DIAMETER, ESTIMATED DEPTH, SCREEN INTERVALS, SAND/GRAVEL PACKS, TYPE OF CASING MATERIAL, CASING WALL THICKNESS, WELL HEAD COMPLETION DETAILS, ETC.)

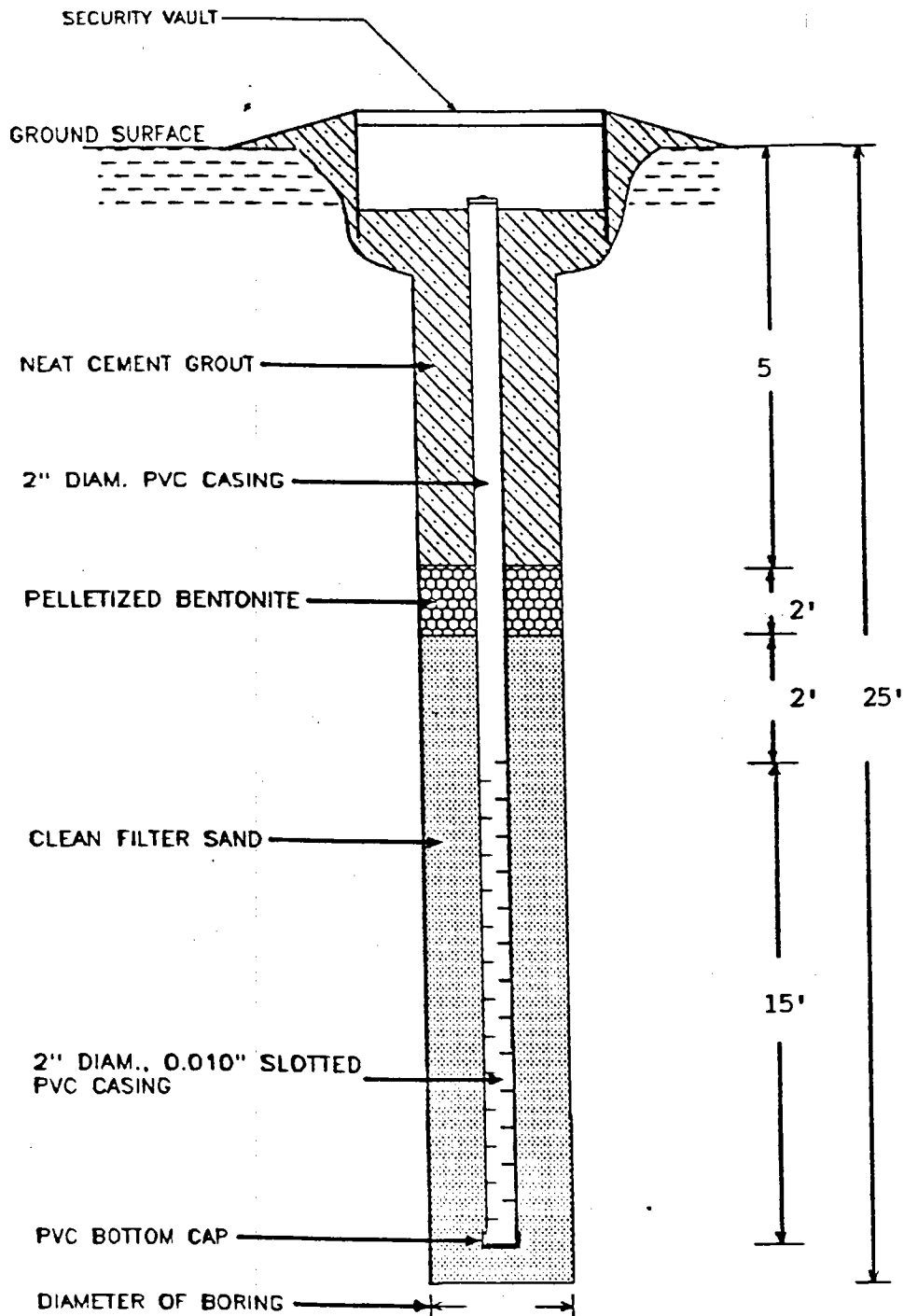
The Applicant hereby agrees the proposed well(s) will be constructed in accordance with approved specifications and conditions of the Well Construction Permit as regulated under the Well Construction Standards (Title 15A North Carolina Administrative Code, Subchapter 2C) and accepts full responsibility for compliance with these rules.

Signature of Applicant or Agent

True (if applicable)

If the property is owned by someone other than the applicant, the property owner hereby consents to allow the applicant to construct monitoring wells as outlined in this application and that it shall be the responsibility of the applicant to ensure that these monitoring wells conform to the Well Construction Standards (Title 15A North Carolina Administrative Code, Subchapter 2C).

Signature of Property Owner (if different from applicant)



WELL NO. MW-8

SCREEN SLOT SIZE: 0.01

INSTALLATION DATE: ASAP

GROUNDWATER LEVEL: _____
(DEPTH BELOW GROUND SURFACE)



S&ME, INC.
GREENSBORO, NORTH CAROLINA

DATE:

APPROVED BY:

DRAWN BY:

VLR

DRAWING NO.

SCALE 1:24 000

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

Florence Town

Trailer Park

SITE

Hawfields

Cem



QUADRANGLE LOCATION

REF: USGS TOPOGRAPHIC MAPS
MEBANE QUADRANGLE DATED 1969



S&ME, INC.
GREENSBORO, NORTH CAROLINA

DATE:
01-27-93

APPROVED BY:

SD

DRAWN BY:

VLF

RED HORSE/UNOCAL STATION #9787-214

SITE LOCATION MAP

DRAWING NO.:

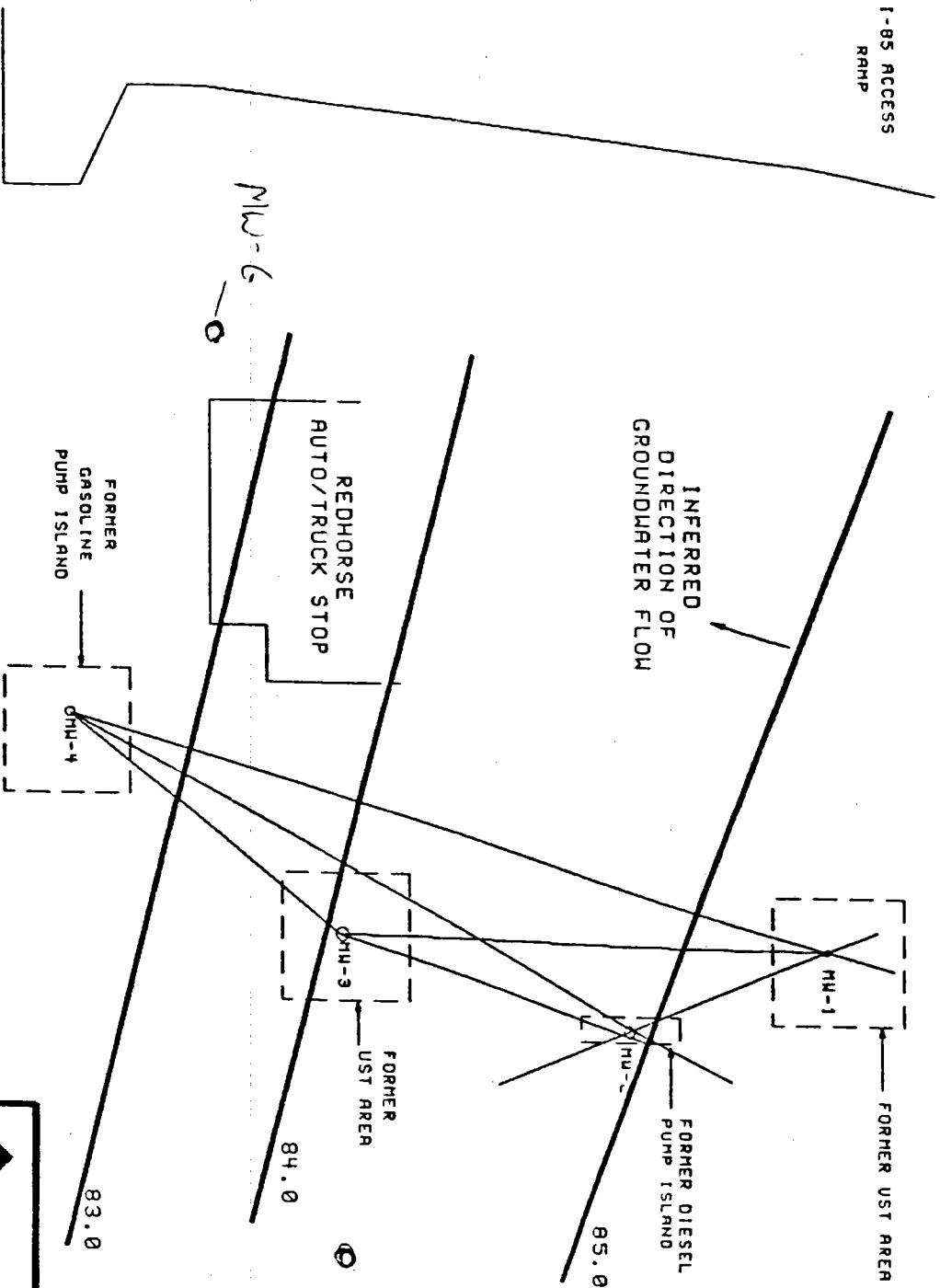
080-1

Existing Wells



I-85 ACCESS
RAMP

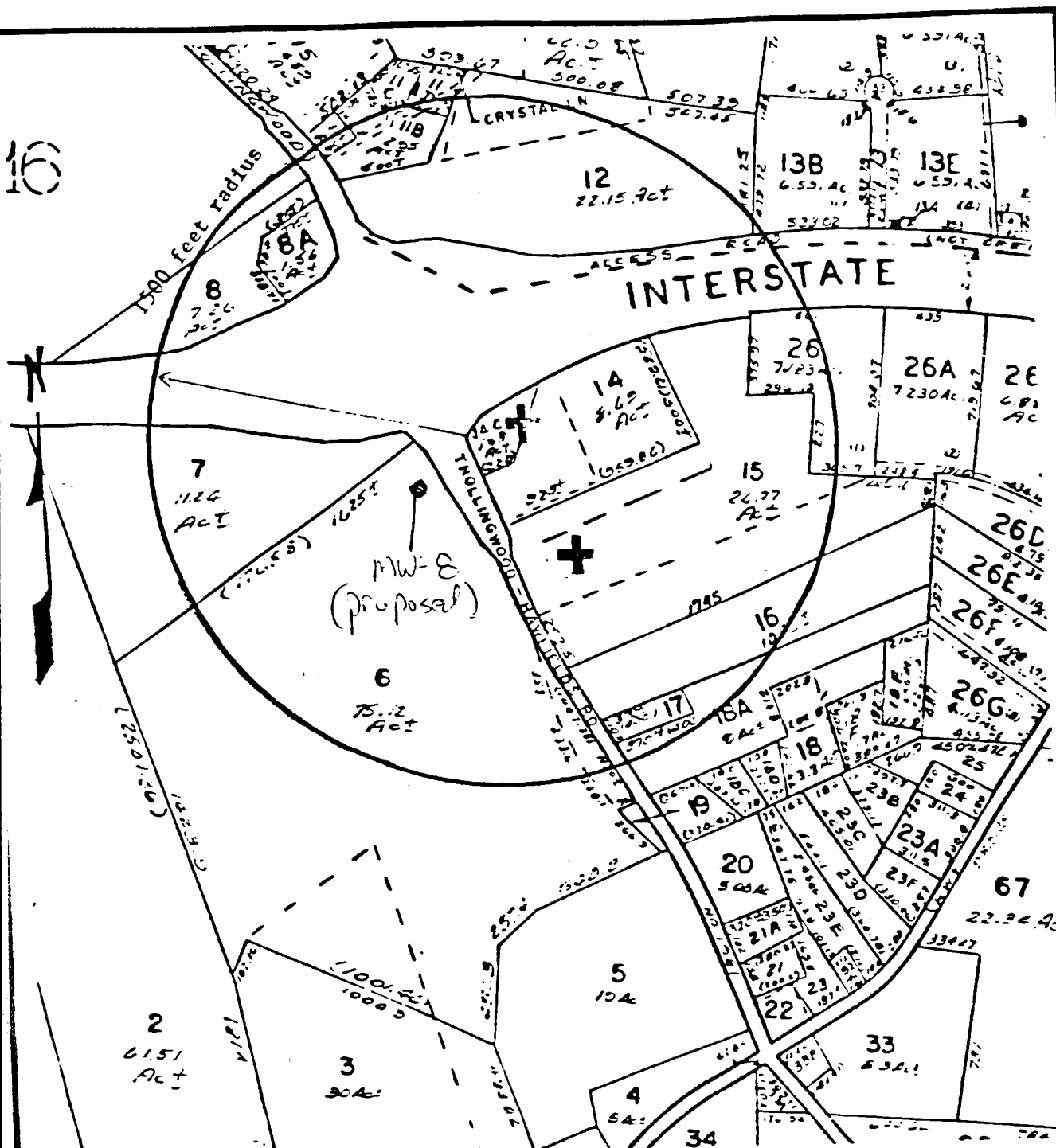
INFERRED
DIRECTION OF
GROUNDWATER FLOW





TROLLINGWOOD ROAD



S&ME, INC. GREENSBORO, NORTH CAROLINA	
DATE: 02-15-93 APPROVED BY:	DRAWN BY: VLR
UNOCAL SITE #9787-214 HEBANE, NORTH CAROLINA	
SITE PLAN/GROUNDWATER CONTOUR MAP	DRAWING NO.: 020-2



+ - WATER SUPPLY WELL LOCATIONS

		S&ME, INC. GREENSBORO, NORTH CAROLINA	
DATE: 01-27-93	APPROVED BY: 	DRAWN BY: VLR	
UNOCAL SITE #9787-214 MEBANE, NORTH CAROLINA			
ALAMANCE COUNTY TAX MAP		DRAWING NO.: DEC-3	

NORTH CAROLINA
ENVIRONMENTAL MANAGEMENT COMMISSION
DEPARTMENT OF ENVIRONMENT, HEALTH, & NATURAL RESOURCES
APPLICATION FOR PERMIT TO CONSTRUCT A MONITORING WELL SYSTEM

Date: 3/22, 19 93 County Alamance

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—	PERMITTED ACTIVITY
—	U.S.T. LEAK DETECTION
—	GROUNDWATER QUALITY STANDARDS
—	VIOLATIONS SUSPECTED FROM UNPERMITTED ACTIVITIES
—	NOTICE OF NON-COMPLIANCE AT UNPERMITTED FACILITIES
PERMIT NO. _____	ISSUED _____ 19 _____
INCIDENT # _____	

GW 22M (7/91)

(Continued on reverse)

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9. Estimated completion date: _____

ADDITIONAL INFORMATION

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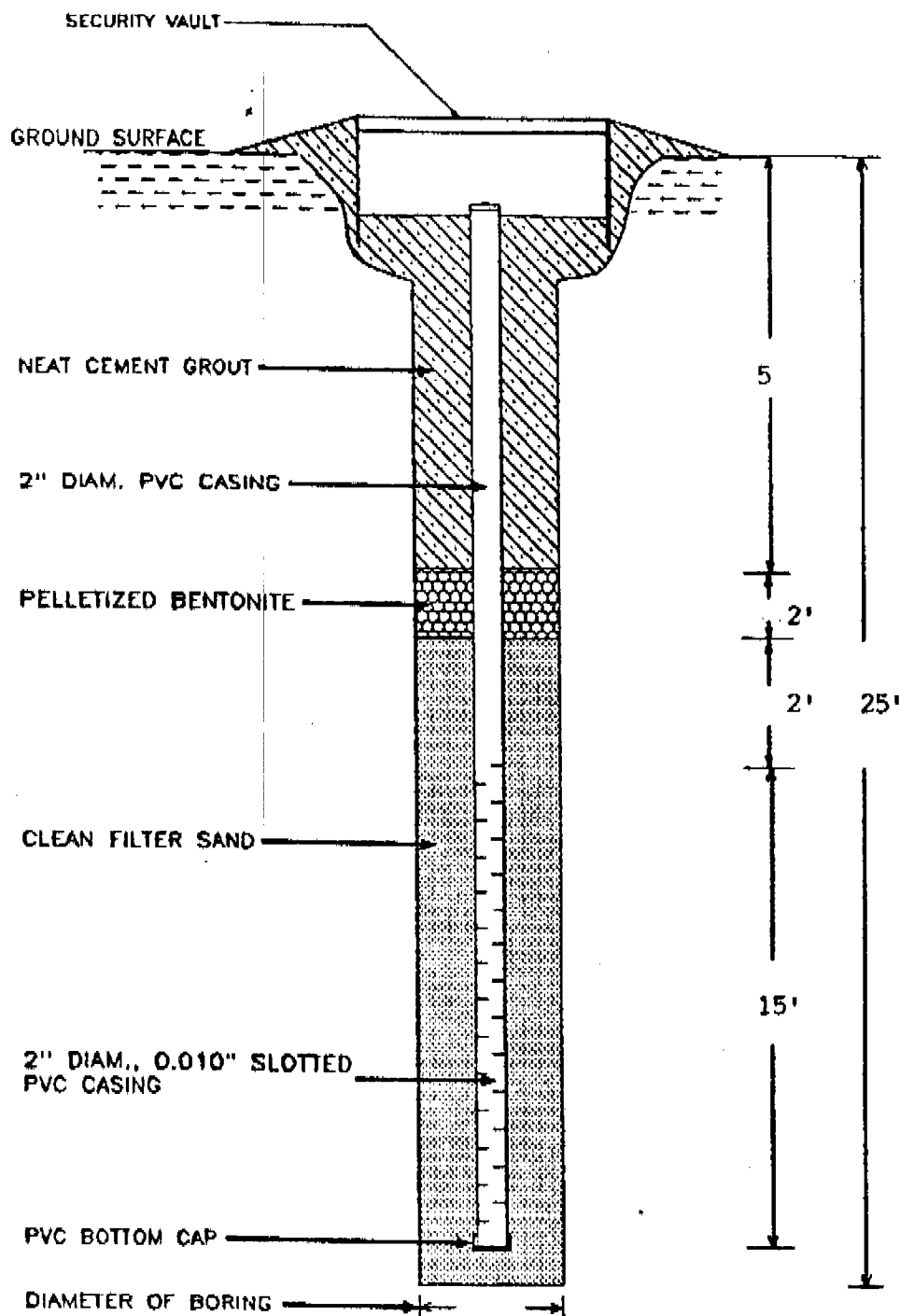
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Signature of Applicant or Agent [Signature]

True (if applicable) _____

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X [Signature]
Signature of Property Owner (if different from applicant)

WELL NO. MW-8SCREEN SLOT SIZE: 0.01INSTALLATION DATE: ASAP

GROUNDWATER LEVEL: _____

(DEPTH BELOW GROUND SURFACE)



S&ME, INC.

GREENSBORO, NORTH CAROLINA

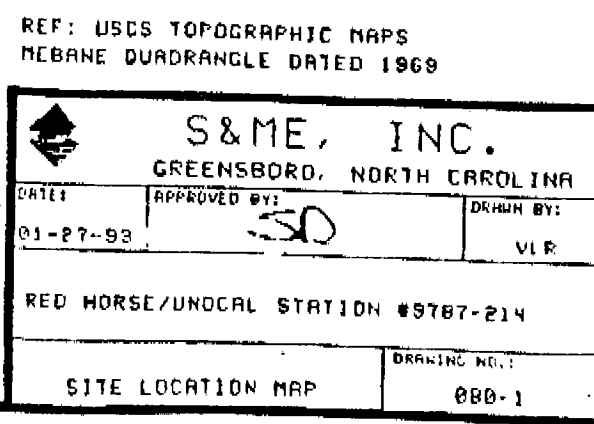
DATE:

APPROVED BY:

DRAWN BY:

VLR

DRAWING NO.

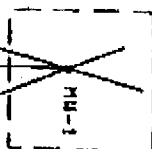


Existing Wells



1-85 ACCESS
RAMP

INFERRED
DIRECTION OF
GROUNDWATER FLOW



FORMER UST AREA

FORMER DIESEL
PUMP ISLAND

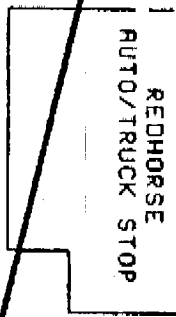
85.0



FORMER
UST AREA

84.0

MU-7



FORMER
GASOLINE
PUMP ISLAND

MU-5

MU-6

TROLLINGWOOD ROAD

SCALE



FEET



S&ME, INC.

GREENSBORO, NORTH CAROLINA

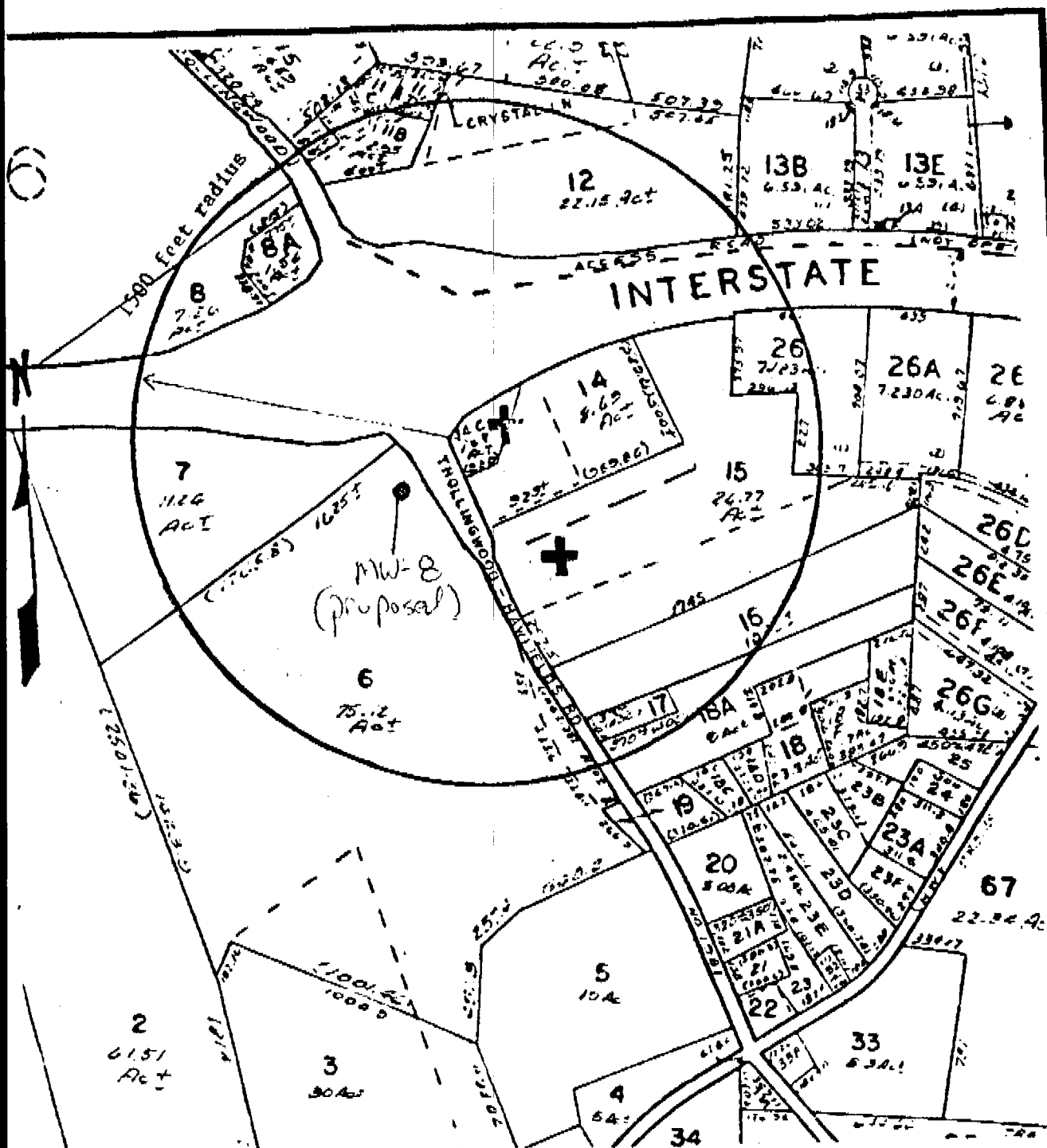
DATE:
02-15-93

APPROVED BY:
SR

VLR

UNDERL SITE #9787-214
MEBONE, NORTH CAROLINA

SITE PLAN/GROUNDWATER CONTOUR MAP
Drawing No. 059-2





Scale: 1" = 660'

+ - WATER SUPPLY WELL LOCATIONS

PROPERTY OWNERS

<u>LOT NUMBER</u>	<u>PROPERTY OWNER</u>
8	ROBERT W. GIBSON, JR.
14	RAYMOND A. JERNIGAN
14C	RAYMOND A. JERNIGAN
15	JOHN A. WILLIAMS
26	RUTH KIMREY

 S&ME, INC. GREENSBORO, NORTH CAROLINA		
DATE: 01-27-93	APPROVED BY: 	DRAWN BY: VLR
UNOCAL SITE #9787-214 MEBANE, NORTH CAROLINA		
ALAMANCE COUNTY TAX MAP		DRAWING NO.: 060-3